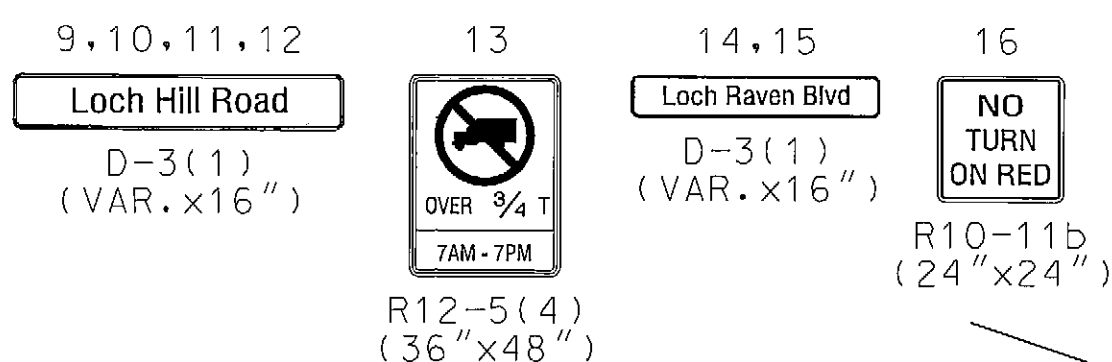


MD 542 IS ASSUMED TO RUN  
IN NORTH-SOUTH DIRECTION

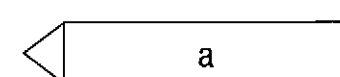
**SPECIAL NOTE:**

THESE DRAWINGS DETAIL THE INSTALLATION OF SIGNAL EQUIPMENT ONLY. THE CONTRACTOR SHALL REFER TO THE PERTINENT SECTIONS OF THE CONTRACT DOCUMENTS FOR DETAILS OF ALL OTHER PROPOSED WORK.

**EXISTING SIGNS**



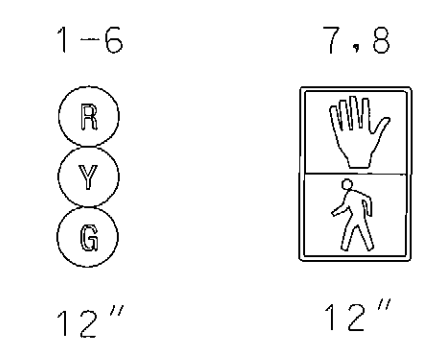
**VIDEO ZONE  
DETECTION**



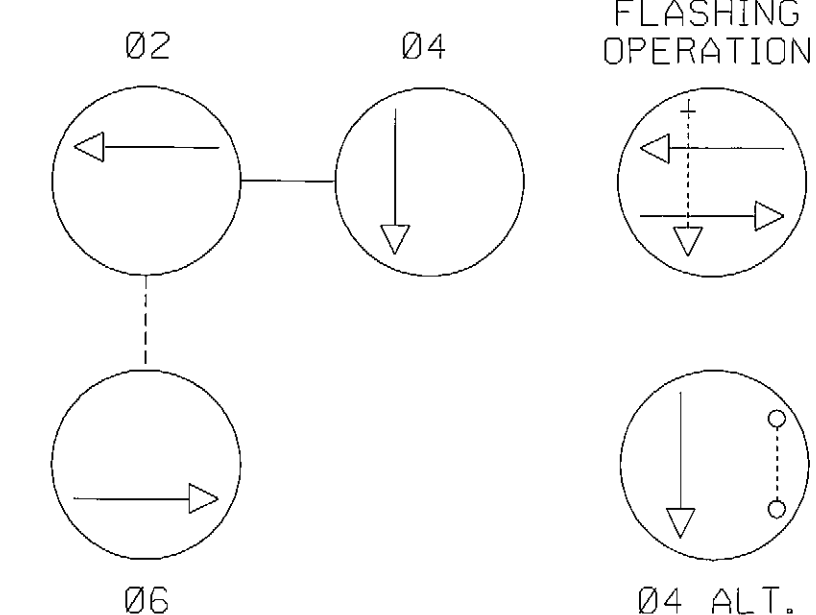
**PROPOSED VIDEO  
DETECTION CAMERA**



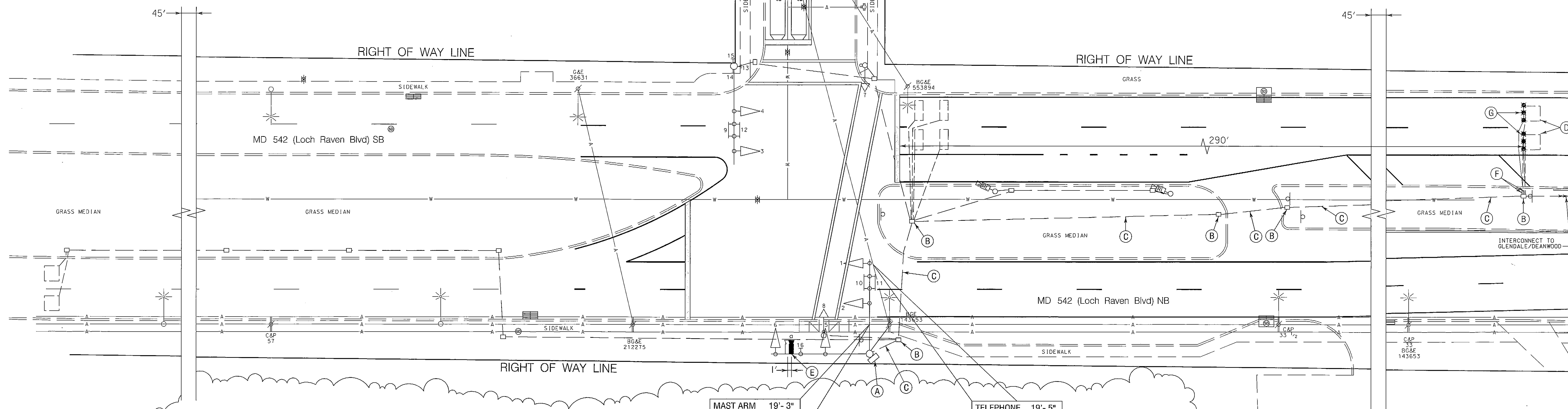
**EXISTING SIGNALS**



**NEMA PHASING**



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



**CONSTRUCTION DETAILS**

- USE EXISTING POLE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE NEW VIDEO DETECTION EQUIPMENT).
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- USE EXISTING MAST ARM AND REMOVE EXISTING VIDEO DETECTION CAMERA AND INSTALL NEW OVERHEAD VIDEO DETECTION CAMERA AS SHOWN.
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. (FOR DETECTOR WIRE SLEEVE)
- INSTALL MICROLOOP PROBE SET WITH 500 FT. LEAD-IN (TO BE PLACED IN THRU LANE ONLY).

MAST ARM	19'-3"
SECONDARY	25'-11"
SECONDARY	27'-2"
PRIMARY	33'-4"

TELEPHONE	19'-5"
MAST ARM	20'-3"
CABLE	20'-8"
SECONDARY	23'-6"
PRIMARY	29'-4"

**GENERAL NOTES**

- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
- SEE SIGNING AND MARKING PLANS FOR PAVEMENT MARKING DETAILS.

ADDENDUM NO. 1  
MARCH 10, 2011  
SHEET ADDED

**WR&A**  
**WHITMAN, REQUARDT  
& ASSOCIATES, LLP**  
801 South Caroline Street, Baltimore, Maryland 21231

BY: sbloss

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS
⑤ UPGRADED VIDEO DETECTION AND REPLACED DETECTION DUE TO RESURFACING. SHA NO. 248695177 TMS# J416 3/01/2011
① ASBUILT FOR RED LIGHT CAMERA INSTALLATION
RRZ

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 542 (Loch Raven Blvd) and Loch Hill Road  
Loch Raven, MD

**TRAFFIC SIGNALIZATION PLAN**

SCALE 1" = 20', ADVERTISED DATE 6/12/1984 CONTRACT NO. B 785-501-485

DESIGNED BY B. Thompson COUNTY Baltimore  
DRAWN BY B. Thompson LOGMILE 03054200.02  
CHECKED BY D. Doda TMS NO.  
F.A.P. NO. TOD NO.

TS NO. 2006B DRAWING TSP-4 OF 5 SHEET NO. 252D OF 301

PLOTTED: 03-01-2011  
FILE: N:\SHEB-14\CADD\p004\_LochHill.dgn